Army Information Technology Conference

6·June·06

"Solutions for the Army Enterprise... price (d) less!"

Mr. Vernon Bettencourt
Deputy, Chief Information Officer/G-6

U.S. ARMY

CHIEF INFORMATION OFFICE (CIO) • G-6 • UNITED STATES ARMY

CALL TO DUTY: 230 YEARS OF SERVICE TO OUR NATION

Convey Army CIO/G-6 strategic direction and selected cost saving processes and initiatives related to that direction

Vision:

Deliver a joint net-centric information enterprise that enables warfighter decision superiority.

Mission:

Provide architecture, governance, portfolio management, strategy, C4 IT acquisition oversight and operational capabilities to enable joint expeditionary net-centric information dominance for the Army.

Goals:

1. Develop & maintain a secure, seamless, interdependent LandWarNet network by leading development & enforcing the use of an integrated enterprise architecture.

2. Lead enterprise integration to achieve decision superiority by transforming processes, applications & data into network-centric capabilities across the Army.

3. Protect and defend the Army's systems, networks, and information.

4. Ensure Army information management & information technology investments maximize Army and Joint capabilities.

5. Develop the Army's information technology and information management knowledge & skills to support mission needs.

6. Deliver an integrated enterprise strategy that influences Army and Joint use of information management and information technology in furthering the warfighting capabilities.

The Joint Model - Everything over IP

- **FIRST … the Joint Special Operations Command - Fort Bragg**
- **THEN …. the Joint Communications Support Element - MacDill AFB**
  - **Iraq**
  - **Afghanistan**
- **NOW!!!**

- **Everything over Internet Protocol**
  - **Scalable**
  - **Flexible**
  - **Efficient**
  - **Less cost, smaller footprint, less people.**
  - **EoIP will converge & reduce training requirements**

Current Circuit Based & Telephony Capability

Everything Over IP (EOIP) Refit

Data

Voice

Secure Networks

Converged IP

Video Teleconferencing

Unclassified Networks

JOINT COMMUNICATIONS SUPPORT ELEMENT
To address inefficiencies of traditional bandwidth allocations........migrate everything to EoIP

- **FIRST … the Joint Special Operations Command - Fort Bragg**
- **THEN …. the Joint Communications Support Element - MacDill AFB**
  - **Iraq**
  - **Afghanistan**
- **NOW!!!**

- **Everything over Internet Protocol**
  - **Scalable**
  - **Flexible**
  - **Efficient**
  - **Less cost, smaller footprint, less people.**
  - **EoIP will converge & reduce training requirements**

Data

Voice

Secure Networks

Converged IP

Video Teleconferencing

Unclassified Networks

Airlift

EoIP - Doing it NOW!!

Reset 3ID

	FY04	FY05	FY06	FY07	FY08	FY09	FY10
	Spiral 1	Spirals 2 - 4					

Corps/Division

Reset

Converged..
..Voice
..Data
..Video

Accelerating to the Future

Brigade Combat Team (BCT)

4/25 2/2 173

4/1 2/1 36 CAB 27

2/34 37

1/34 55th/28th

3 ACR

- 7th Sust Bde

SBCT4   525th BfSB

Undefined NG Brigades

| Spiral 5 - 7 |
| Lot 8 |
| Lot 9 -N |

EoIP - Doing it NOW!!

Reset 3ID

Corps/Division

Converged.. ..Voice ..Data ..Video

Accelerating to the Future

	FY04 Spiral 1	FY05 Spirals 2 - 4	FY06	FY07	FY08	FY09	FY10

Reset

ITSB Conversions

63rd

Regional Hubs

FMTVs/Required Dates

3 1/5/05	3 1/5/05	3 1/5/05	3 Jun 05	3 Jun 05	3 Oct 05

Regional Hub (NETCOM)

Regional Hub (NETCOM)

Regional Hub (NETCOM)

Qatar

Regional Hub (NETCOM)

FY 10-12

Regional Hub (NETCOM)

Refit 3ID

Victory

Regional Hub (NETCOM)

	Spiral 5 - 7
	Lot 8
	Lot 9 -N

Area Processing Centers

Starting the Consolidation
- **Implement up to 14 APCs worldwide**
- **DISA as operator**
- **Reduces Total Cost of Ownership**
- **Consolidating "your" stuff**
- **Improves security**

TLA-R2   Army Exchange
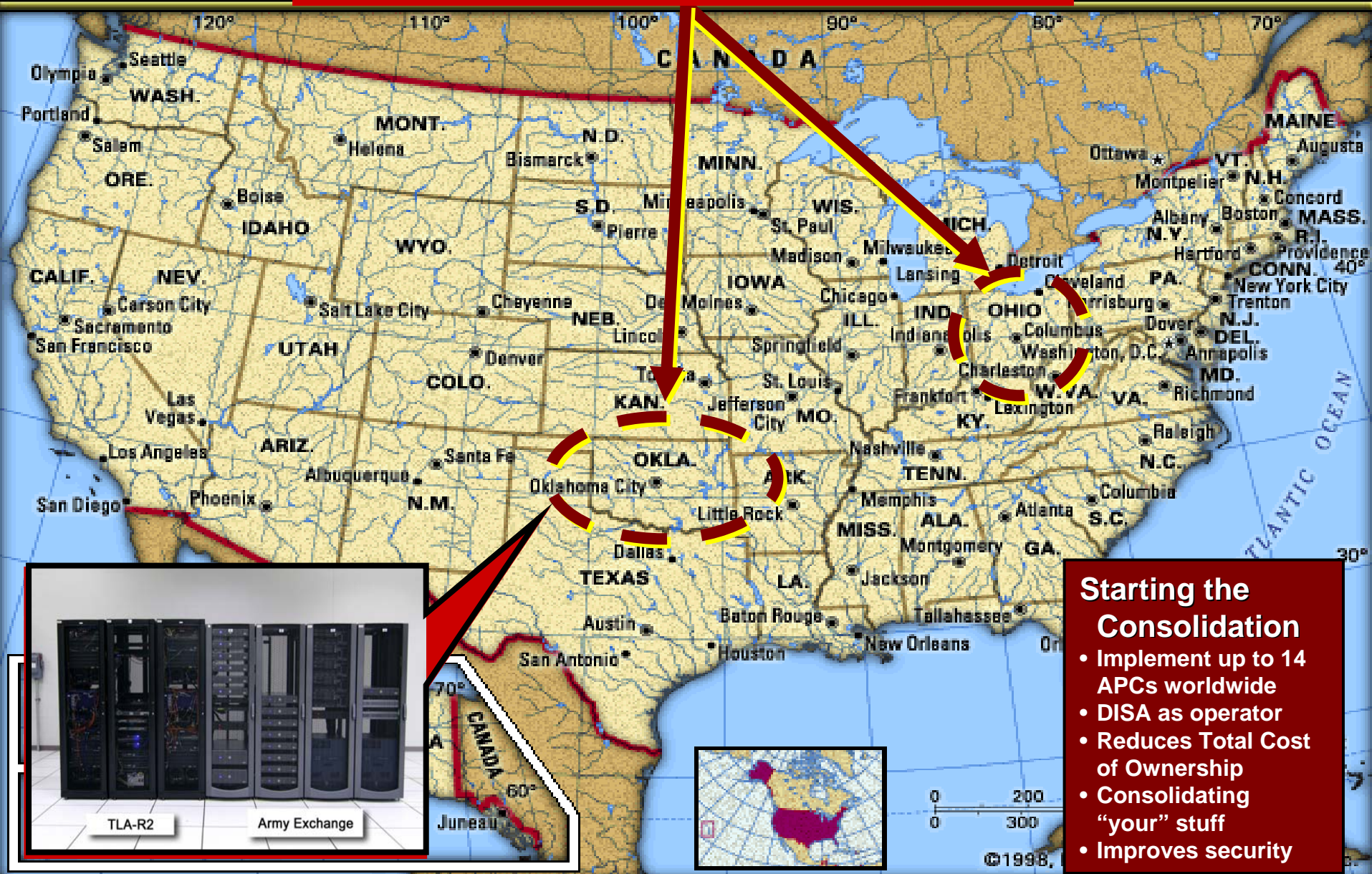
Army Mission Area/Domain Structure

Army Alignment with GIG ES Governance

Business Mission Area (BMA)
Army Lead: DUSA

Governance

- **Acquisition** — Army Lead: ASA(ALT)
- **Financial Management** — Army Lead: ASA(FM&C)
- **Human Resource Management** — Army Lead: ASA(M&RA)
- **Installations & Environment** — Army Lead: ACSIM
- **Civil Works** — Army Owner: ASA(CW)
- **Logistics** — Army Lead: ASA(ALT) ROS

Warfighting Mission Area (WMA)
Army Lead: G-3/5/7

Governance

- **Focused Logistics** — Army Lead: G-4
- **Battlespace Awareness** — Army Lead: G-2
- **Force Application** — Army Lead: G-8
- **Force Protection** — Army Lead: G-8
- **Net-Centric** — Army Lead: CIO/G-6
- **Force Management** — Army Lead: G-3/5/7/FM
- **Training** — Army Lead: G-3/5/7/TR
- **Command & Control** — Army Lead: G-3/5/7/SB Lead

Defense Intelligence Mission Area (DIMA)
Army Lead: G-2

Governance

Domains TBD

Enterprise Information Environment Mission Area (EIEMA)
Army Lead: CIO/G-6 (GA&CKO)

Governance

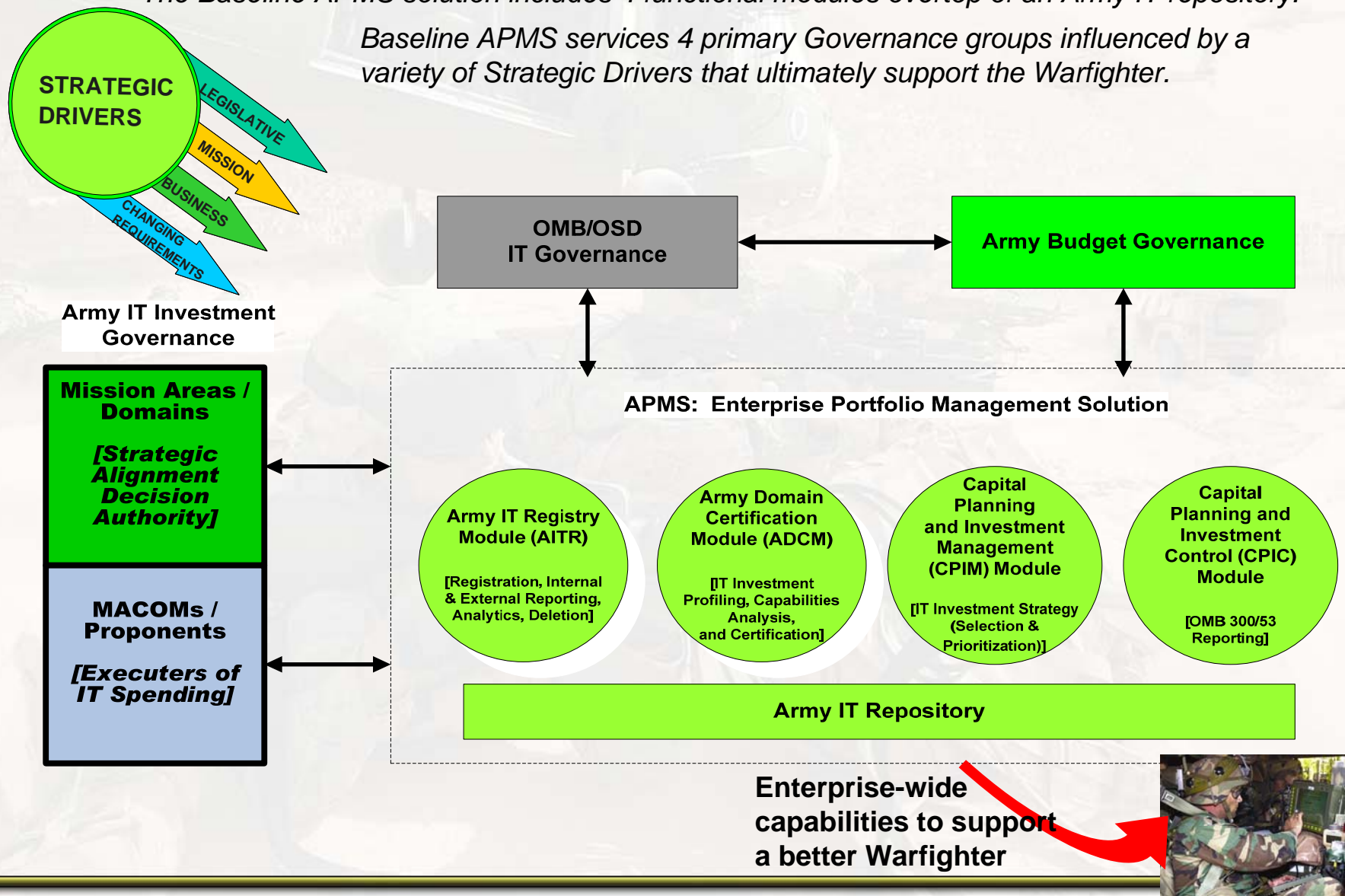| Communications Army Lead: CIO/G-6 (AONS)	Computing Infrastructure Army Lead: CIO/G-6 (AONS)	Core Enterprise Services Army Lead: CIO/G-6 (GA&CKO)	Information Assurance Army Lead: CIO/G-6 (GA&CKO)

4 Mission Areas: - 18 Domains

The Baseline APMS solution includes 4 functional modules overtop of an Army IT repository.

Baseline APMS services 4 primary Governance groups influenced by a variety of Strategic Drivers that ultimately support the Warfighter.

STRATEGIC DRIVERS

LEGISLATIVE

MISSION

BUSINESS

CHANGING REQUIREMENTS

Army IT Investment Governance

Mission Areas / Domains

[Strategic Alignment Decision Authority]

MACOMs / Proponents

[Executers of IT Spending]

OMB/OSD IT Governance

Army Budget Governance

APMS: Enterprise Portfolio Management Solution

Army IT Registry Module (AITR)

[Registration, Internal & External Reporting, Analytics, Deletion]

Army Domain Certification Module (ADCM)

[IT Investment Profiling, Capabilities Analysis, and Certification]

Capital Planning and Investment Management (CPIM) Module

[IT Investment Strategy (Selection & Prioritization)]

Capital Planning and Investment Control (CPIC) Module

[OMB 300/53 Reporting]

Army IT Repository

Enterprise-wide capabilities to support a better Warfighter

DEPARTMENT OF THE ARMY
OFFICE OF THE SECRETARY OF THE ARMY
107 ARMY PENTAGON
WASHINGTON DC 20310-0107

Office, Chief Information Officer / G-6

SAIS-ZR-I

0 3 FEB 2005

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: FY05 Army Knowledge Management (AKM) Goal 1 Resource Execution Guidance

- **The waiver process allows the CIO/G-6 to comply with the Clinger-Cohen Act by tracking the migration of non-IT funding that is used to purchase IT goods and services.**

- **Guidance is provided in an annual Goal 1 waiver memo that lists IT and non-IT MDEPS.**

- **Waivers are processed via a web based application.**

As of 6/1/06, 232 waivers valued at $126.4 million have been processed.

IT Product Procurement Options

Army Small Computer Program Current Contracts - Core Elements:

- **Commercial off the Shelf (COTS) Information Technology:**

  PCs   Workstations   Notebooks   Handhelds   PDAs
  Servers -32/64Bit   Storage   Thin Client   Networking   Printers   Services

- **Value-Adds:**

  Extended Warranties   2 day, On-Site Repair   Expedited Deliveries
  DoD/Army IT Standards/Interoperability Compliance   Networthiness

Army Consolidated Buy (CB) for "Commodity" IT Systems:

- Army has conducted 2 CBs 4th Qtr FY 05and 2nd Qtr FY 06 – open to all DoD
  Personal Computers   Notebook Computers   Monitors/Peripherals
- Cost Avoidance reached 21.5M on 60K systems sold
- Process runs thru ASCP Website (https://ascp.monmouth.army.mil)

DoD Enterprise Software Initiatives (ESI):

- Apr 03 CIO/G6 initiates an Army-wide Microsoft (MS) Enterprise Buy
  Army-funded $78M per year cost, ordering thru ASCP website, provides solid
  Asset Management of MS products
- DoD ESI program success paved the way for the Federal "SmartBuy"
  Makes Enterprise SW products available to the entire Federal government –
  Oracle was first success; effort led by Army via ASCP; Prosight & WINZIP followed

DoD/Army Enterprise License Agreements:

Oracle   Sybase   SAP/ERP   Prosight   CA-UniCenter   FormFlow   BPwin/ERwin   CITRIX
WINZIP   MS Premier Support   Popkin   Envoke   Rationale Rose   Quest   NetIQ
Puredge   Mercury ERP   Symantec IA

Easy Order Process – thru ASCP's "it e-mart" e-commerce system

Anticipated Savings – 30%+

$100M per year Cost Avoidance

Average Cost Avoidance: 64% off GSA

Microsoft Enterprise License Agreement
Total Army Cost Avoidance

Cost Avoidance of MS ELA for Desktop / Limited Quantity CLINs

Cost ($M)

- $160.0
- $140.0
- $120.0
- $100.0
- $80.0
- $60.0
- $40.0
- $20.0
- $-

$147.4

$76.0

$71.4 M

48.5 %

Legend: DoD ESI, MS ELA

Contract Type
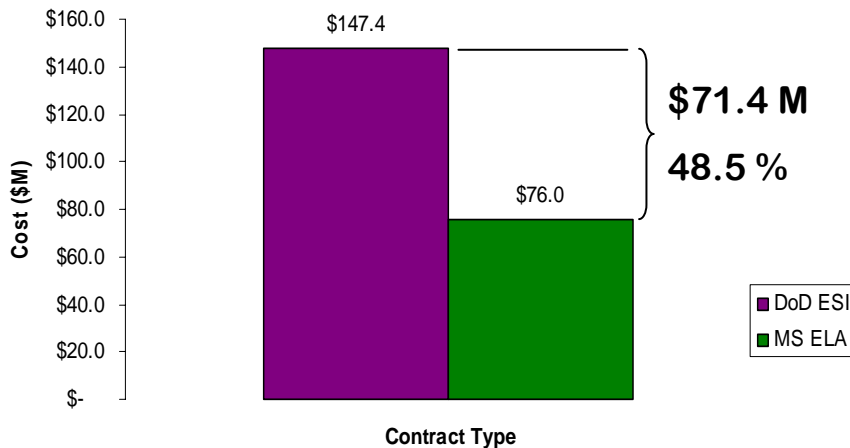
Cost Avoidance for Desktop/Limited Quantity CLINs

- MS Desktop, Exchange Server, etc
- 505,249 total licenses

Cost Avoidance for MS ELA Single CLINs

Cost ($M)

- $19.5
- $19.0
- $18.5
- $18.0
- $17.5
- $17.0
- $16.5
- $16.0
- $15.5
- $15.0
- $14.5
- $14.0

$18.9

$15.9

$3.0 M

15.9 %

Legend: DoD ESI, MS ELA

Contract Type

Cost Avoidance for Single Item CLINs

- FrontPage, Visual Studio, etc
- 55,703 total licenses

Awarded 14 Apr 06
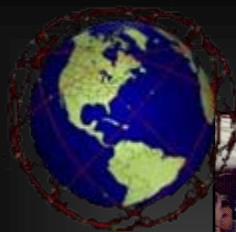
$20B over 9-years

Provides Army Enterprise Infrastructure and Infostructure Services World-wide to support Command, Control, Communications, Computers, and Information Management (C4IM)

Awarded 11 IDIQ contracts

- IBM Corp of Fairfax
- General Dynamics Network Systems
- EDS Corporation
- SAIC
- Lockheed Martin Integrated Systems
- Computer Sciences Corporation
- CACI-ISS
- Booz Allen Hamilton
- Three small businesses
  1. QSS Inc.
  2. Apptis Inc.
  3. STG Inc.

**Awarded
24 Apr 06**
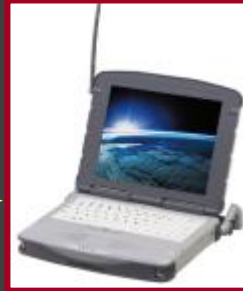
$5B over 10-years
For desktops, notebooks, tablets, PDAs, printers, digital cameras, projectors & peripherals

Awarded 9 IDIQ contracts

- Three large businesses
  - CDW Government Inc.
  - Dell Marketing LP
  - Hewlett-Packard Company
- Six small businesses
  - Integration Technologies Group
  - MPC-G
  - NCS Technologies Inc.
  - Telos Corporation
  - Transource Computer
  - Westwood Computer Corporation

$10B over 10-years

Purchase or lease network environment products, including servers, workstations, Thin-clients, storage systems, networking & communications Equipment, VTC solutions & more

Contract award – 4th Quarter 2006

$5 Billion

Order SATCOM Services

**Combat Support Service
Very Small Aperture Terminals
(CSS VSATs)**

Flyaway VSATS

Military certified satellite terminals

Fixed Station satellite terminals

Deployable satellite earth terminals

**Prime mover/trailer-mounted
satellite terminals**

Award 3rd QTR 06

Savings on Thin Client

Thin Client Architecture

--Versus--

PC-Based Architecture

"The PC has become a network appliance. Many PC users hardly ever use the diskette or CD-ROM drives because their information needs are met via the network."[2]

WAN

WAN

- Redundant Power
- Redundant connections
- Reliability
- Air Conditioning
- Physical Security
- Configuration Management
- Labor costs
- More Secure

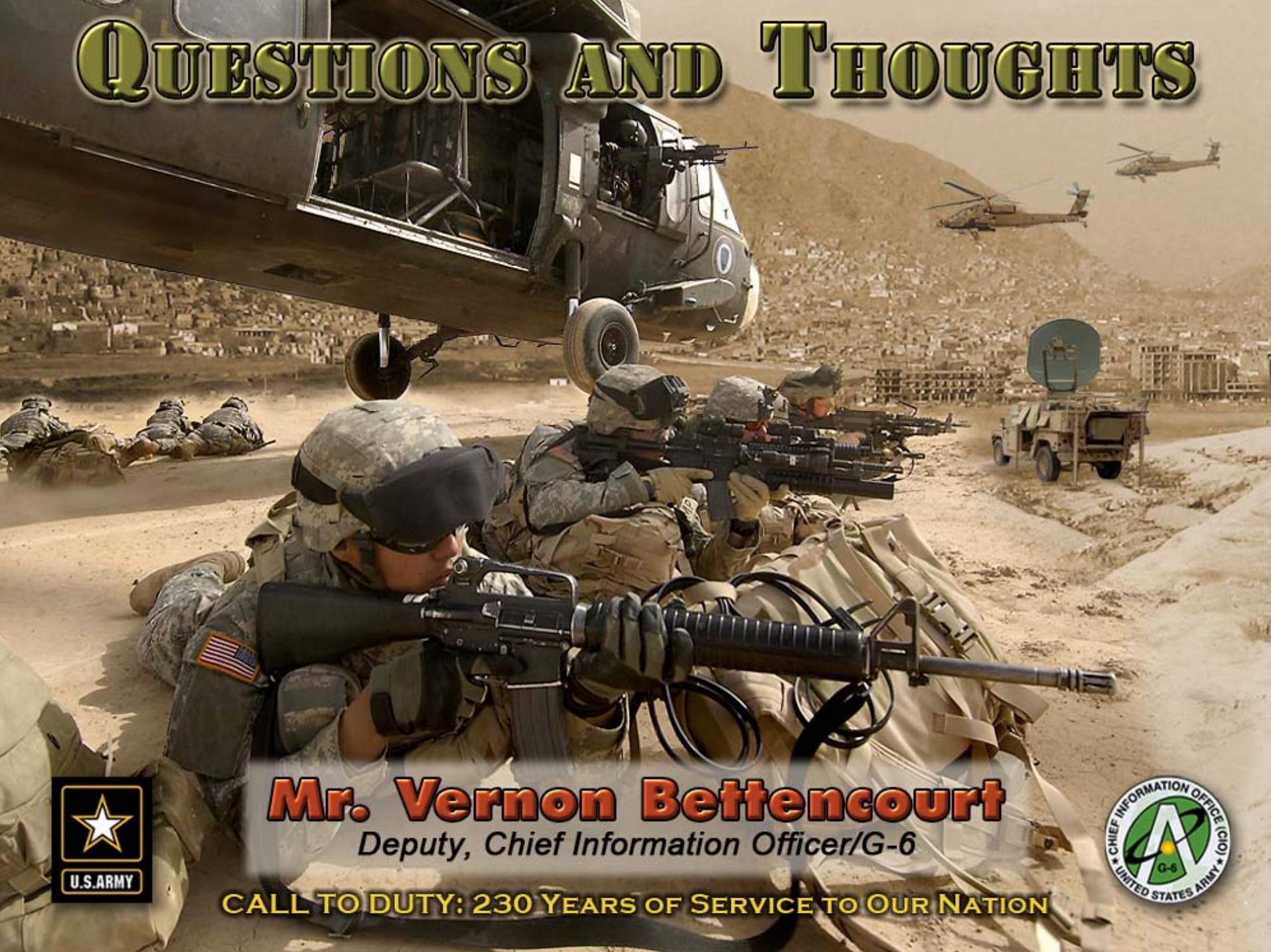**Up to 30% in TCO savings @ HQDA[1]**

Most Substantial TCO Savings[3]
- Network Administration (55%)
- Less "Informal Administration" - workers helping workers(14%)
- Hardware Acquisition Costs (13%)
- Software Upgrades (11%)
- Operating System Upgrades (3%)

1. Based on 100% move to Thin Client; 15 Apr 05 AONS info Paper, TCW - TCO compared to PC
2. A thin client desktop deployment survey conducted in 2000 by the Gartner Group
3. Intelliquest Study (From "Windows Embedded OSs for Thin Client Devices White Paper" Apr 03)

Call to Duty...230 Years of Service To Our Nation

QUESTIONS AND THOUGHTS

Mr. Vernon Bettencourt
Deputy, Chief Information Officer/G-6

U.S. ARMY

CHIEF INFORMATION OFFICE (CIO) · UNITED STATES ARMY · G-6

CALL TO DUTY: 230 YEARS OF SERVICE TO OUR NATION